Gazophylaci *Naturæ* & *Artis* ;
Decaf. 1.

In qua *Animalia*, *Quadrupeda*, *Aves*, *Piſces*, *Reptilia*, *Inſecta*, *Vegetabilia* ; item *Foſſilia Corpora*, *marina*, & *ſtirpes Minerales* e Terra *eruta*, Lapides *figura inſignes*, &c. *Deſcriptionibus* brevibus & *Iconibus* illuſtrantur. *Hiſce annexa erit* ſupellex Antiquaria, *Numiſmata*, Gemmæ *Exciſæ* & *Sculpturæ*, Opera *Figulina*, *Lucernæ*, *Urnæ*, *Inſtrumenta* varia, *Inſcriptiones*, *Buſta*, reliquaque *ad rem priſcam* ſpectantia ; Item *Machinæ*, Effigies *Clarorum Virorum*, omniaque *Arte* producta. *A Jacobo Petiver* Pharmacop. *Lond.* & Regiæ Societatis *Socio.*

Londini ex Officin. *S. Smith* in Cœmetero *D. Pauli*, & *Chriſt. Bateman* in vico vulgo dicto *Pater-Noſter-Row.* 1702.

THe moſt Induſtrious *Author* of theſe *Decades* in *Natural Hiſtory* hath for many years laſt paſt procured at his own private Expence many and great Collections of *Plants*, *Quadrupeds*, *Birds*, *Fiſhes*, *Inſects*, *Shells*, *Figur'd Stones*, and other *Foſſils* ; and continues ſtill to receive freſh and rich Cargoes of ſuch natural products (many of which in perfection) from his very numerous Correſpondents in the *Eaſt* and *Weſt Indies*, in *Africa*, and moſt parts of *Europe*. Some Specimens whereof he hath already given in his *ten Centuries*, and deſigns a publication of others with elegant and lively *Icons* (beſides Explications) by way of *Decades*, which will convey a moſt clear and laſting Idea of the things

things themſelves, and leave to poſterity many noble materials towards raiſing the immenſe ſtructure of *Nature*, which is not to be carried on without the joint ſtock of all Ages, and the generous contributions of ſuch as think fit to promote the liberal Arts and Sciences, whoſe *Benevolence* in this kind our Author is ſo grateful as to commemorate by particular Inſcriptions of their *Names*, fixt on his perennial Tables, far more durable and extenſive than Pyramids, or Pillars, or any other artificial Monuments.

'Tis not therefore to be doubted but this deſign of our *Ingenious* and *Laborious Undertaker* will meet with general encouragement, by reaſon of the Beauty and Majeſty of the Subject, no leſs than God's Creation, wonderful and uſeful in all its parts, to the Life of Man, and none of the leaſt amongſt the many irreſiſtible, antidotes againſt Atheiſm.

One Advantage will accrue, by publiſhing theſe things in *Decades*, that of preſerving them entire; which are too often mangled, abſconded, or ſcatter'd by change of hands, if not utterly loſt for want of ſome little encouragements from the publick to multiply Copies of them in the manner propos'd by the Author, who without the leaſt affectation or vanity deſerves all juſt and reaſonable contributions for defraying his firſt Coſts, if not for rewarding his pains in Commenting, Illuſtrating, Drawing and Engraving; a Proof whereof is here given in a few particulars of the firſt *Decade*.

The ſecond Decade is juſt finiſht, and the third ready for the Preſs.

Ga-

GAZOPHYLACUM NATURÆ & ARTIS. Tab. I.

Fig. 1. TO begin with Fig. 1. This little beautiful *American Lizard* is very peculiar in the ſingularity of its blue Shining Tail, and is found about the Trees in *Maryland.* Tab. I.

5. The *Cochineal* was never yet given in its 3 different ſtates or ſeveral changes, which by no body but the Author has till now been obſerved.

9. This is a very ſpecious Plant from the *Cape of Good Hope*, and is rankt amongſt thoſe Flowers which the *Spaniſh Nuns* call *Perpetuana*, becauſe they never wither.

12. A very elegant *aquatick Plant* from *Virginia*, bearing a beautiful Spike of blue Flowers.

The Author dedicates this Table to his *Grace the Arch-Biſhop* of *Canterbury.*

Tab. 2. In this Place the Author has ſhewn his various Correſpondents, by producing ſomething from each corner of the World, *viz.* In *Europe* an elegant *Capricorn Beetle* from *Norway*, with a greeniſh *Butterfly* in *England*, not commonly met with. He diſcovers from *Aſia* an odd Shrub from the borders of *Perſia*, and a ſort of *Schænanth* from the Coaſts of *Cormandel.* From the *Cape of Good Hope* he gives you the Figures of two new woolly headed *Heaths*, with a ſingular graſs from the *Coaſt* of *Guinea*, and a ſort of *Ichneumen* or baſtard Waſp from *Cape Mount Serrado*, theſe 4 from *Africa*; and from *America* we have a *yellow Pimpernel* with ſtellated leaves, there being nothing like it from the three Tab. II.

other parts of the World as yet diſcovered; to this he adds a very beautiful *Beetle* and an oculated *Butterfly*.

This Table is preſented to the *Biſhop* of *London*.

Tab. III. Tab 3. Fig. 1. Here is figur'd a very uncommon *Libella* or *Adderbolt*, far different from all our *Engliſh Kinds*, with clouded Wings like thoſe of a *Locuſt*: This was caught about *Aleppo*. The two next are beautiful ſpotted *Moths*, the firſt from *America*, the other from *India*, caught alſo about *Montpelier*, by that curious Collector of all Rarities, Mr *Charlton*; whereby we obſerve ſome things common to *Aſia* and *Europe*, as well as *America*, which Dr *Sloan* in his Catalogue of *Jamaica Plants* has given us no ſmall inſtance of: In this Plate are alſo diſcovered ſome other new *Inſects*, *Shells* and *Plants*, with the *Figure* of a beautiful *Humming Bird*, whoſe Throat is of ſo flaming a luſtre, as is ſcarce to be lookt on, eſpecially if the Sun ſhines on it.

The *Dutcheſs Dowager* of *Beaufort* was a generous Benefactreſs to this *Table*.

Tab. IV. *Figure* 1. In the 4th Table he preſents you with a genuine *Cicada* from the *Cape of Good Hope*, very different from any in *Europe*, the *Philippine Adianthum* at Fig. 4. is perhaps one of the oddeſt in Nature; this he copies from a deſign the Learned *Father Camel*, a perſon extreamly curious in all parts of natural Hiſtory, ſent Mr *Ray* and him: He hath alſo received many other things very uncommon, which you will ſee in this and the following Decades.

His two varieties of the *Blatta Bizintina* and his *Synonyms* of them are not a little curious: As alſo a *Figure* of a *Stella marina* from *China*, whoſe form is wonderful; he concludes with a green ſort of a *Sponge*, which Dr *Niſſole*, a curious *Phyſician* and *Botaniſt*, ſent him from *Mompelier*.

The Right Honourable *Charles* Earl of *Dorſet* and *Middleſex* has the *Dedication* of this Plate.

Tab. V. In this 5th Table are ſeveral curious and beautiful Plants from the *Cape of Good Hope*, with three others, one from *Aſia*, another from *America*, and the laſt both from *Africa* and

and the *East Indies*; he likewiſe ſuppoſes it to be *European*; his *Synonyms* are many, and Conjectures probable: Beſides theſe, ſome *Shells*, and a beautiful *American Echinus* or Sea Egg. He in this *Table* gives you a wonderful *Aurelia* or *Inſect Caſe*, which by ſome is ſaid to be the product of the *Bengall Silk*; it has this peculiar and ſtrange, *viz.* at the extremity of a long pedicle or foot-ſtalk is adjoyned a Ring, thro which wonderful Nature faſtens it to the twigs of Trees; but for a better Idea of it, I infer you to its Figure.

His Encourager of this Plate is Sir *John Hoskyns*, one of the Maſters in *Chancery* and *V. P. R. S.*

Here we preſent you, *viz.* Tab. 6. Firſt a non deſcript *Bird* from *Maryland* with a golden or yellow Throat, and from the ſame place an odd Plant with a globular white head, which he calls *Randalia*, from the firſt Diſcoverer of this Tribe. From *China* and its adjacent Coaſts are two or three peculiars diſcovered, *viz.* A Fir-leaved Cypreſs from *Chuſan*, an Iſland near *Liampo*: A White Cowry from *Emoy* with a Saffron circle, and a very ſingular criſtated Barnacle from both theſe places, which he conjectures the accurate *Rondeletius* may have ſeen by a Figure only he gives which much reſembles it; the reſt of the Plate is taken up with Plants from the *Cape of Good Hope*, and ſome *Exotick Animals* from *Africa* and *America*; from which laſt place he gives you a ſmall Fly with wonderful large feather'd Horns. Tab. VI.

The Honourable *Capt. Charles Hatton* has the Preſentation of this Table.

Two elegant *Cape Plants* are the beginning of this 7th Table, with a *Pellitory of the Wall* from the *Canaries*, altogether different from what we have yet ſeen: To theſe ſucceed two *Foreign Butterflies*, and three *Engliſh Moths*, which laſt were diſcovered by a very curious Gentlewoman in the *Weſt* of *England*, all which are wholly new. *Fig* 9. preſents you with a *Humming Bird* of the largeſt ſize, with an elegant yellow ſpeckled head, and this is the greater rarity, becauſe it's not only the firſt Bird we have yet ſeen Tab. VII.

the Figure of from the *Cape of Good Hope*, but we knew none of this kind before common to any other part than *America*. At Figure 6 is a very odd *Aurelia* or *Caſeworm*, covered with bits of twigs like ſome of our *Caddus's*, this was ſent him from *Carolina*. He concludes this Plate with a *Vegetable*, we are obliged to him for the clearer knowledge of, *viz.* the *Canary Orchili*, a ſort of *Moſs* growing on the *Rocky Mountains* in thoſe Iſlands. This the *Spaniards* uſe to give a fine Dye to their *Spaniſh* Leather.

Dr *Martyn Liſter*, one of her *Majeſty's Phyſicians* and *F. R. S.* obliged him with this Table.

Tab. VIII. The greateſt part of this 8th *Plate* is taken up with a vaſt large and wonderful *Phalæna* or *Moth*, one of the biggeſt any *Muſæum* could ever yet boaſt of, being full nine inches between the tips of each Wing, and proportionably broad; this was ſent him firſt from *Dantzick*, but came from the *Eaſt Indies*; the reſt are ſome *Plants* from the *Cape of Good Hope*, with *Inſects* and *Shells* from divers parts of the World, particularly a Curious *Rhinoceros Beetle* from *Portugal*, and a very elegant *Capricorn*, ſent to him from *Moſcow* by one of the *Czar's Phyſicians*.

That Curious Obſerver *Dr Tancred Robinſon*, Fellow of the *Colledge of Phyſicians* and *Royal Society* has the dedication of this Plate preſented to him.

Tab IX. The ninth *Table* begins with the ſeveral changes of a little *Turtle Beetle* from the *Philippine Iſles* obſerved there, and very accurately delineated by the Reverend *Father George Joſeph Camel*, a perſon very curious in all parts of Natural Hiſtory, and has promiſed this Author the communication of them, which will be no ſmall diſcovery from ſo remote a part of the World. Here follows ſome *Shells*, one of which is a *Balanus* very ſingular brought him from the *Iſle of Aſcention*, which with other things the *Iſland* affords, he has given an account of in the *Philoſoph. Tranſactions*, No 255. Here are 3 *Papilios*, two from *Angola*, and one from the *Cape*, all very beautiful with two *Tipulæ*

or

or *Water-ſpiders*, both which the Author hath obſerved in ſome Ponds about *London*. But above all we muſt not omit a very odd Animal, *viz.* A *Flying Quadrupede* which Father *Camel* ſent him a deſign of, by the name of *Cato-Simius* volans or *Flying Cat-Monkey*; the Author has deſcribed it in the *Philoſoph. Tranſ.* No 277. whither I refer you, and here for its Figure, which is indeed very ſtrange. Here are alſo two *Algas* or *Sea Weeds*, the laſt a very elegant one from the *Cape of Good Hope*, ſent him from that curious Correſpondent of his, Mr *John Starremberg*.

The Author Dedicates this Table to Dr *Hans Sloan*, Fellow *of the Colledge of Phyſicians*, Secretary *of the Royal Society*, &c.

The *laſt Table* of this *Decade* is compos'd of ſundry curious *Animals* and *Vegitables*, amongſt the firſt, is a very beautiful *Tricolor Snake*, from the *Cape of Good Hope*, compos'd of red, yellow and black; and a Bird from the ſame place, the greateſt part ſcarlet, much reſembling our *Virginia red Bird* or *Nightingale*, but is peculiarly different in having a cleft Bill; here are alſo ſome *Shells* Figured, and an *American Scarab* or *Beetle*, with two black orbicular velvetty ſpots, reſembling Eyes very particular; to theſe are added two rare *Butterflies*, the 1ſt Fig. 6. a yellowiſh one with ſpots of black and blew, the only one the Author had ever ſeen, the other a very elegant caudated *Papilio*, beſprinkl'd underneath with curious bliſtery ſpots, ſhining like Silver over laid with a Golden luſtre, both theſe out of Mr *Charlton's* noble *Muſeum*, which is now in the hands of Dr *Sloan*, who himſelf had before a vaſt Collection of all natural things, and not only from *Jamaica* where he perſonally was, but has and does daily add to them at his no ſmall Expence, whatever can be procured both from abroad and at home. Our Author concludes with a *Coralline* incruſtrated *Moſs* from *Scotland*, and a very curious blew ſpeckl'd *Corall* obſerv'd in the *Philippine Iſles*, by that moſt induſtrious Naturaliſt *George Joſeph Camel*, from whom he hath lately re- Tab. X.

 ceived

ceived ſeveral other very curious rarities, which he promiſes to preſent you withal in his ſucceeding *Decades*

He Dedicates this *Table* to his Benefactor Mr *John Owen.*

The Author his *Second Decade* is juſt finiſhed, and his third is in great forwardneſs, above half being already done.

LONDON, Printed for *Sam. Smith*, and *Benj. Walford*, Printers to the Royal Society, at the *Prince's Arms* in St *Paul's* Church-yard.

Philoſophical Tranſaction, No 284.

ERRATA.

PAge 1358 l. 3. for *and* r. *or*. p. 1361. l. 2. alſo. p. 1363. l. *ult.* for *had* r. *have*. p. 1365. l. 15 for *highly* r. *lightly*. p. 1368, l. *ult.* for. *e c.* p. 1369. l. 28, del. *number*. p. 1371. l. 6. for *a* r. *the*. *ibid.* l. 29. r. *Mechaniſm*.

Fig: 1.

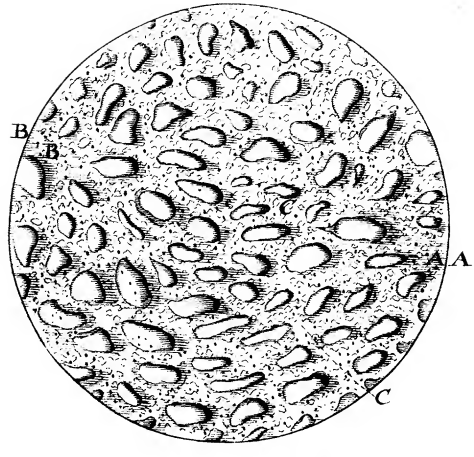


Fig: 2.

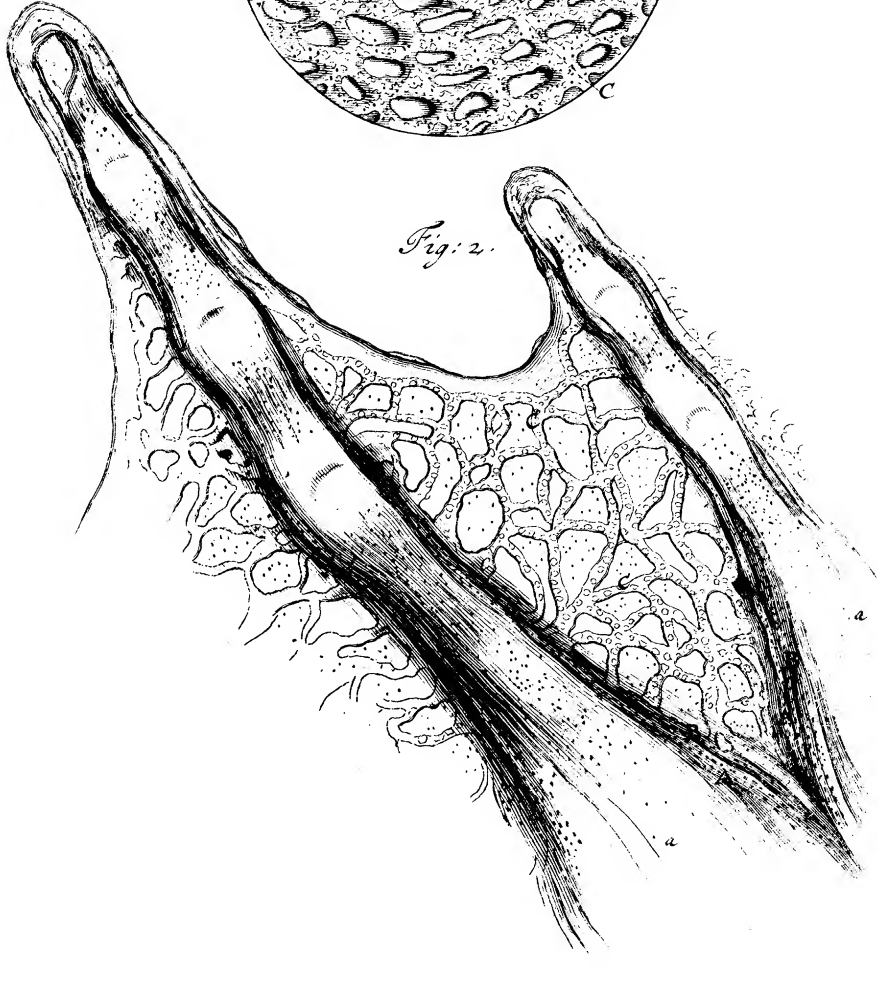
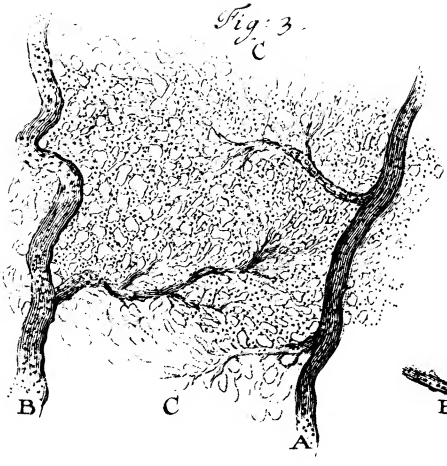


Fig: 3.



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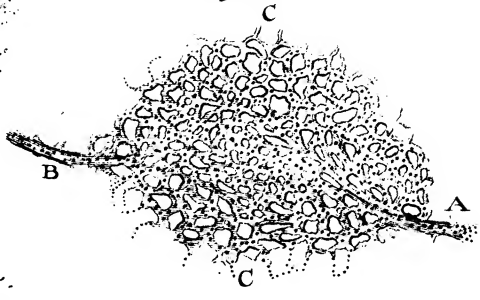

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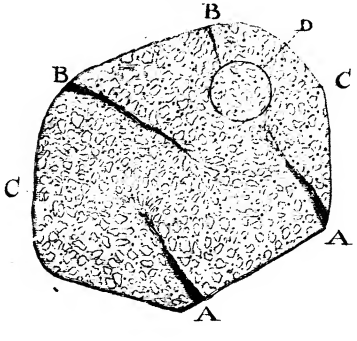
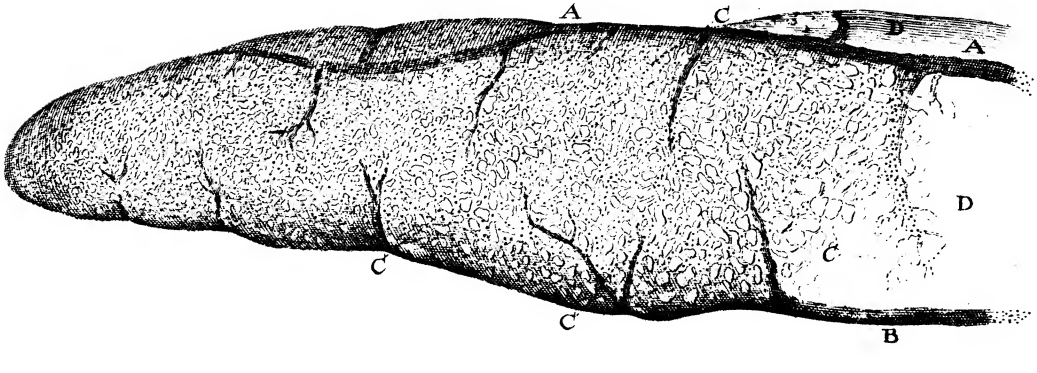
Fig: 6.